

Mehmood Ali

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EDUCATION

HAW Hamburg <i>Masters of Science in Micro Electronic Systems</i>	Hamburg, Germany Oct. 2025 – Jul. 2027
HAW Hamburg <i>Bachelor of Science in Information Engineering</i>	Hamburg, Germany Oct. 2021 – Feb. 2026

EXPERIENCE

Intern Full-Stack Developer <i>Filter Tutor</i> <ul style="list-style-type: none">Planned and delivered full-stack applications (React.js, Node.js/Express, PostgreSQL) while coordinating tasks to meet project milestones.Collaborated with teams to define requirements, manage sprints, and ensure timely, scalable feature delivery.Deployed on Heroku/AWS and maintained Git workflows and documentation to support security, quality, and team collaboration. Tech Stack: Node.js, JavaScript, React, Git, HTML, CSS, PostgreSQL — Agile (Scrum), Jira	Nov. 2023 – April. 2024 Karachi, Pakistan
Tutor of Lernprojekt (LSL2) <i>HAW Hamburg</i> <ul style="list-style-type: none">Led and managed a project for 100+ participants, overseeing task distribution, progress monitoring, and milestone tracking.Facilitated team collaboration by setting goals, resolving conflicts, and ensuring smooth communication.	Oct. 2023 – Oct. 2023 Hamburg, Germany

PROJECTS

Neural Networks and Data Sciences <i>Python, Tensor Flow, Jupyter, Pandas</i> <ul style="list-style-type: none">Elective University Module: Using Python, Jupyter, and Pandas to analyze Large Language Models (LLMs), with plans to build a custom LLM using TensorFlow.	Oct. 2024 – Feb. 2025
Sustainable Fishing Game <i>Godot Gaming Engine, Git, Godot Script</i> <ul style="list-style-type: none">Elective University Project: The game aims to deliver the message of sustainability with regards to over-fishing and plastic pollution that ruins our beautiful oceans.	Oct. 2024 – Feb. 2025
OCR Android Application <i>Node.js, React, SQLite, Android Studio</i> <ul style="list-style-type: none">Elective University Project: The application uses the phone's camera to Scan a document and utilizes the OCR capabilities to read and store the data about Dual-Studium students.	Aug. 2024 – Oct. 2024
ReactJS and JavaScript Apps <i>Node.js, React, Git, HTML, CSS, Express</i> <ul style="list-style-type: none">Keeper App: Note-taking app with ReactJS. Live Preview & GitHub RepoTo-Do List App: Task manager built with ReactJS. Live Preview & GitHub RepoSimon Game: Pattern-matching game with JavaScript. Live Preview & GitHub RepoDrum Kit Game: Plays sounds on keypress/button click using JavaScript. Live Preview & GitHub RepoDice Game: Random dice roll game for 2 players. Live Preview & GitHub Repo	

TECHNICAL SKILLS

Languages: JavaScript (ES6), Python, Java, C, HTML5, CSS3, EJS, Godot Script Language
Frameworks/Libraries: React.js, Node.js, Express.js, REST APIs, FreeRTOS, Matlab/Simulink
Databases: MySQL, PostgreSQL
Project Management & Tools: Agile (Scrum), Jira, Documentation Tools
Other Tools: Git, Bash/Shell Command Line, Spyder/Jupyter, Linux (Terminal Commands, AWS Cloud, Heroku)

CERTIFICATIONS

The Complete 2024 Web Development Bootcamp - Udemy: HTML5, CSS3, Javascript, Node, React, PostgreSQL, Web3 and DApps

Spoken Languages: German (B1), English (C1/C2)